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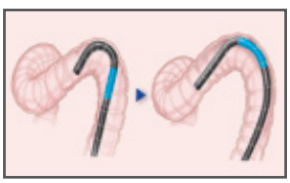
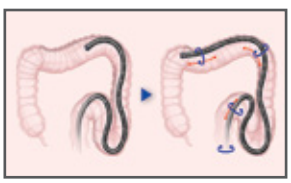
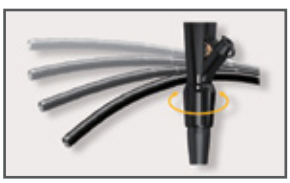
Your Vision, Our Future







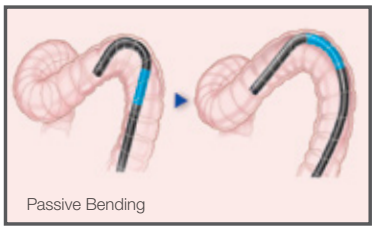
Olympus 190-series colonoscopes reduce cecal intubation time compared to previous-generation scopes.

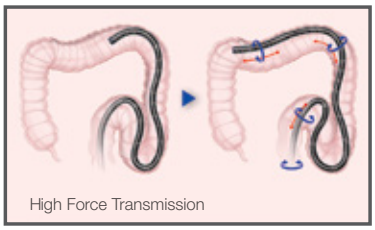
190-Series Colonoscopes

EVIS **EXERA III**

OLYMPUS

CLINICAL STUDY & CALCULATOR





RIT (Responsive Insertion Technology)

Using an Olympus 190-series colonoscope can result in faster cecal intubation times. In a recent clinical study with 1077 subjects, the incorporation of Responsive Insertion Technology (Passive Bending, High Force Transmission, and Variable Stiffness) to the latest-generation colonoscope resulted in faster cecal intubation times.

Endoscopists in this study experienced a **20% reduction** in cecal intubation time.

Clinical Study

The American Journal of Gastroenterology

Cecal Intubation Times with Colonoscopes Incorporating Passive Bending and High-Force Transmission Technology: A Multicenter Randomized Controlled Trial

written by Dr. Amit Rastogi

Link to clinical study

Efficiency Calculator

Use this calculator to determine your potential to increase efficiency by reducing cecal intubation time up to 20%.

Number of colonoscopies per year		Median cecal intubation time (in minutes)		Total procedure hours saved annually
0	x	(0.0 x .20)	=	0.0

RESET

OLYMPUS

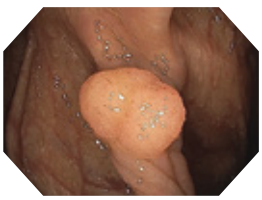
Product Detail Aid
CF-HQ190L/I

EVIS EXERA III COLONOVIDEOSCOPE

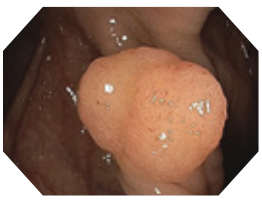
OLYMPUS CF-HQ190L/I

Dual Focus

Dual Focus, a unique Olympus optical innovation, allows the user to select between two focus settings. With the simple push of a scope button, the desired depth of field for observation can be optimized to either the near field or normal field.



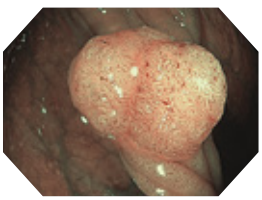
Normal-focus mode



Near-focus mode

NBI (Narrow Band Imaging)

NBI in EVIS EXERA III 190 Series scopes provides twice the viewable distance of EVIS EXERA II 180 Series scopes.



RIT (Responsive Insertion Technology)

RIT combines three proprietary insertion tube technologies: HFT (High Force Transmission), PB (Passive Bending), and variable stiffness. These technologies are designed to facilitate complete colonoscopies by improving scope handling, insertability, and ergonomics. PB helps EVIS EXERA III 190 Series scopes move through acute bends in the colon. HFT provides improved operator control for both pushing and twisting maneuvers. Variable stiffness allows the physician to adjust the rigidity of Olympus scopes as needed by simply turning an adjustment ring on the scope's control section.

Enhanced Image Quality

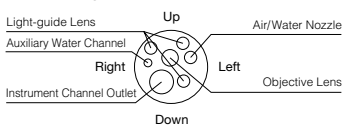
An enhanced level of resolving power is achieved owing to a new optical system. Significantly less halation and noise is visible on screen. Improved optics, a brighter image, increased contrast, reduced noise, and reduced halation are the result of a new CCD available in the EVIS EXERA III, providing superior image quality even during electronic zoom.

ScopeGuide

ScopeGuide is an integrated technology in EVIS EXERA III 190 Series HQ colonoscopes. ScopeGuide provides real-time 3D visualization of scope position and configuration. This new level of visualization provides physicians with the ability to recognize loops as they form, potentially leading to shorter insertion time and less patient discomfort.

Waterproof One-touch Connector

A new connector design minimizes the effort required for setup prior to and in between cases. In addition, it is fully submersible and eliminates the need for a water-resistant cap and the associated risk of an expensive repair due to accidental immersion.

Optical System	Field of view	Normal 170°
		Near 160°
	Direction of view	Forward viewing
	Depth of field	Normal 5-100 mm
		Near 2-6 mm
Insertion Section	Distal end outer diameter	13.2 mm
	Distal end enlarged	
	Insertion tube outer diameter	12.8 mm
	Working length	L: 1680 mm I: 1330 mm

Instrument Channel	Channel inner diameter	3.7 mm
	Minimum visible distance	4.0 mm (Normal) from the distal end
	Direction from which endotherapy accessories enter and exit the endoscopic image	
Bending Section	Angulation range	Up 180°
		Down 180°
		Right 160°
		Left 160°
Total Length	L: 2005 mm I: 1655 mm	
Compatible EVIS EXERA System	Video System Center OLYMPUS CV-190 Xenon Light Source OLYMPUS CLV-190	

Image courtesy of Roy Soetikno, MD.

OLYMPUS

Product Detail Aid
PCF-H190L/I

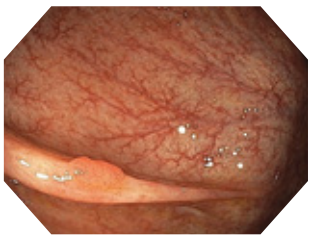
EVIS EXERA III COLONOVIDEOSCOPE

OLYMPUS PCF-H190L/I

HDTV NBI 170° Wide-angle RIT

New Wider Angle

The new PCF-H190 scope adds 30° to its field of view to attain 170°, providing the same view as the larger CF scope. This wide view, combined with HDTV and NBI, enables closer, more detailed examination and observation.

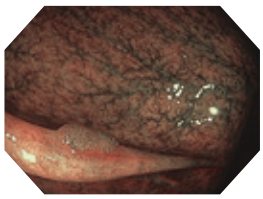


RIT (Responsive Insertion Technology)

RIT combines three proprietary insertion tube technologies: HFT (High Force Transmission), PB (Passive Bending), and variable stiffness. These technologies are designed to facilitate complete colonoscopies by improving scope handling, insertability, and ergonomics. PB helps EVIS EXERA III 190 Series scopes move through acute bends in the colon. HFT provides improved operator control for both pushing and twisting maneuvers. Variable stiffness allows the physician to adjust the rigidity of Olympus scopes as needed by simply turning an adjustment ring on the scope's control section.

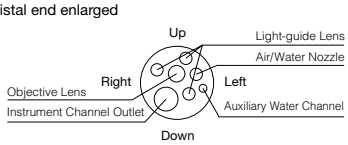
NBI (Narrow Band Imaging)

NBI in EVIS EXERA III 190 Series scopes provides twice the viewable distance of EVIS EXERA II 180 Series scopes.



Waterproof One-touch Connector

A new connector design minimizes the effort required for setup prior to and in between cases. In addition, it is fully submersible and eliminates the need for a water-resistant cap and the associated risk of an expensive repair due to accidental immersion.

Optical System	Field of view	170°
	Direction of view	Forward viewing
	Depth of field	2-100 mm
Insertion Section	Distal end outer diameter	11.7 mm
	Distal end enlarged	
	Insertion tube outer diameter	11.5 mm
	Working length	L: 1680 mm I: 1330 mm

Instrument Channel	Channel inner diameter	3.2 mm
	Minimum visible distance	3.0 mm from the distal end
	Direction from which endotherapy accessories enter and exit the endoscopic image	
Bending Section	Angulation range	Up 180°
		Down 180°
		Right 160°
		Left 160°
Total Length	L: 2005 mm I: 1655 mm	
Compatible EVIS EXERA System	Video System Center OLYMPUS CV-190 Xenon Light Source OLYMPUS CLV-190	

Image courtesy of Tonya Kaltenbach, MD.

OLYMPUS

Product Detail Aid
PCF-PH190L

EVIS EXERA III COLONOVIDEOSCOPE

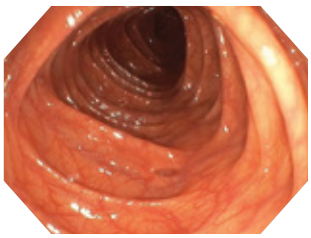
OLYMPUS PCF-PH190L/I

New ultra-slim colonoscope design

With an ultra-slim scope diameter of only 9.7 mm, the PCF-PH190 features our new RIT colonoscope technology, which combines effective PB (Passive Bending) and HFT (High Force Transmission). PB helps EVIS EXERA III 190 Series scopes move through acute bends in the colon. HFT provides improved operator control for both pushing and twisting maneuvers. The slim diameter and these superb functions help insertion go more smoothly for quicker procedures with less discomfort.

HDTV Image Quality

Even with its ultra-slim diameter, the PCF-PH190 offers HDTV image quality that greatly assists close mucosal observation. The EVIS EXERA III System and endoscopes provide superior image quality, enabling observation with greater detail.

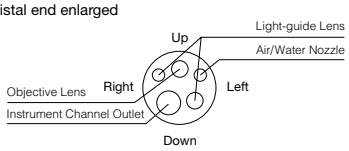


NBI (Narrow Band Imaging)

NBI in EVIS EXERA III 190 Series scopes provides twice the viewable distance of EVIS EXERA II 180 Series scopes and is significantly brighter.

Waterproof One-touch Connector

A new connector design minimizes the effort required for setup prior to and in between cases. In addition, it is fully submersible and eliminates the need for a water-resistant cap and the associated risk of an expensive repair due to accidental immersion.

Optical System	Field of view	140°
	Direction of view	Forward viewing
	Depth of field	2-100 mm
Insertion Section	Distal end outer diameter	9.7 mm
	Distal end enlarged	
	Insertion tube outer diameter	9.5 mm
	Working length	L: 1680 mm I: 1330 mm

Instrument Channel	Channel inner diameter	3.2 mm
	Minimum visible distance	3.0 mm from the distal end
	Direction from which endotherapy accessories enter and exit the endoscopic image	
Bending Section	Angulation range	Up 180°
		Down 180°
		Right 160°
		Left 160°
Total Length	L: 2000 mm I: 1650 mm	
Compatible EVIS EXERA System	Video System Center OLYMPUS CV-190 Xenon Light Source OLYMPUS CLV-190	

HDTV image courtesy of Horst Neuhaus, MD.
NBI image courtesy of Roy Soetikno, MD.

CONTACT

For more information on 190 Colonoscopes or EVIS EXERA III, contact your local sales representative.

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Center Valley, PA 18034

(800) 848-9024
email

Watch Video

http://goo.gl/sCQQ0A

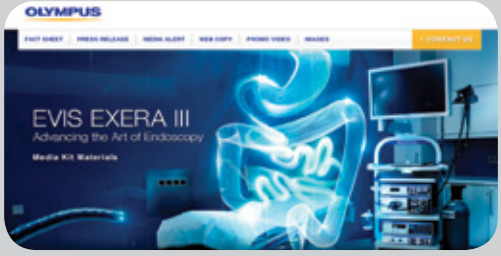
Schedule a Demo/ Training

http://medical.olympusamerica.com/content/contact-olympus-america

Visit EVIS EXERA III website

http://medical.olympusamerica.com/products/evis-exera-iii

Media Kit Materials



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